

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method of providing an embedded web server for a device, comprising the steps of:

(A) providing a web server class library and a virtual machine class library, wherein the web server class library and the virtual machine class library include classes for different web applications and for forming different application-specific web servers;

(B) identifying a particular web application to be run on the device; and

(C) compiling the web server by selecting, from the web server class library and the virtual machine class library, classes required to run the web application in the device to form the web server, wherein the web server is specific to the web application.

2. (Previously Presented) The method of claim 1, wherein the step (C) further comprises receiving at a compiler the libraries and the web application, the compiler parsing the libraries to select the classes that correspond to the web application.

3. (Original) The method of claim 1, wherein for each of the libraries, the step (C) is performed by

(I) identifying from the library a class required to run the web application;

(II) extracting from the class file of the required class other classes required to run the required class;

(III) repeating the steps (I) and (II) for each of the required classes until the required class is a base class;

(IV) collecting all the required classes to form the application-specific web server.

4. (Original) The method of claim 1, wherein the device is an electronic device and the application-specific web server is embedded in the device.

5. (Original) The method of claim 1, wherein the device runs a plurality of web applications, including the particular web application, wherein the step (C) compiles the web server by selecting from the web server class library and the virtual machine class library classes required to run all of the web applications in the device to form the web server.

6. (Currently Amended) A system for providing a web server for a device running a web application, comprising:

(A) a web server class library and a virtual machine class library, each including classes for different web applications for forming different application-specific web servers; and

(B) a compiler that receives the libraries and identifies the web application, selects to select from the web server class library and the virtual machine class library classes required to run the web application in the device, forms an application-specific web server that to form the web server such that the web server is specific to the web application, and forms an application-specific virtual machine that is specific to the web application.

7. (Original) The system of claim 6, wherein the device is an electronic device and the application-specific web server is embedded in the device.

8. (Original) The system of claim 6, wherein the compiler selects the required classes from each of the libraries by

(I) identifying from the library a class required to run the web application;

(II) extracting from the class file of the required class other classes required to run the required class;

(III) repeating the steps (I) and (II) for each of the required classes until the required class is a base class;

(IV) collecting all the required classes to form the application-specific web server.

9. (Original) The system of claim 6, wherein the device runs a plurality of web applications, including the particular web application, wherein the compiler compiles the web server for running all of the plurality of web applications by selecting from the libraries class required to run all of the plurality of web applications.

10. (Currently Amended) A web server structure for a device, comprising:

(A) a web application that performs a predetermined web function; and

(B) an application-specific web server ~~core~~ and an application-specific virtual machine that together execute the web application on the device, wherein the application-specific web server ~~core~~ and the application-specific virtual machine are compiled from a web server class library and a virtual machine class library, wherein the web server class library and the virtual machine class library include classes for different web applications and for forming different application-specific web servers and different application-specific virtual machines.

11. (Original) The web server structure of claim 10, wherein the device is an electronic device and the application-specific web server structure is embedded in the device.

cl 12. (Original) The web server structure of claim 10, further comprising a plurality of web applications, including the particular web application, wherein the application-specific web server core and virtual machine are specifically configured to run the applications such that they require minimized storage space when embedded in the device.
